

# Woolpert Selected for Topo-Bathy Lidar Collection along British Columbia's Coastline



The Department of Fisheries and Oceans Canada (DFO) contracted with Woolpert to collect aerial topographic and bathymetric Lidar data and high-resolution, four-band imagery at select sites along the southwest coast of British Columbia. These data, collected with associated oceanographic and ground survey information, will support the missions of the Canadian Hydrographic

Service ([CHS](#)).

The data will be used to update nautical charts and provide vital information for marine research and to support indigenous communities.

[Woolpert](#) is flying this project with its dual port Cessna 404 with the firm's Leica Hawkeye 4X ILdar sensor, navigating water clarity, tide levels and weather conditions. Data are scheduled to be delivered to [DFO](#) by the end of June.

## Fusion of multisource geospatial and hydrographic data

Woolpert vice president and hydrographer Ben Hocker said as part of this project, additional data are being collected over portions of the Gulf Islands National Park Reserve. This region will be used as a reference surface to evaluate emerging geospatial and hydrographic technologies. The information collected by Woolpert will complement data collected by [CHS](#) using satellite, multibeam, sonar and vessel-mounted mobile laser scanners.

"The intent is to develop an area where multiple types of data will be collected using various platforms and sensors to evaluate and compare their effectiveness for marine research and charting," Hocker said. "This industry is changing daily due to advancing technology, and this evaluation will help CHS identify the most accurate and effective tools for multiple marine research and navigation safety needs."

Woolpert is a leading architecture, engineering, geospatial (AEG) and strategic consulting firm. Founded in 1911 in Dayton, Ohio, Woolpert has been among America's fastest-growing AEG firms since 2015. The company has over 1,100 employees and 42 offices in three countries.



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